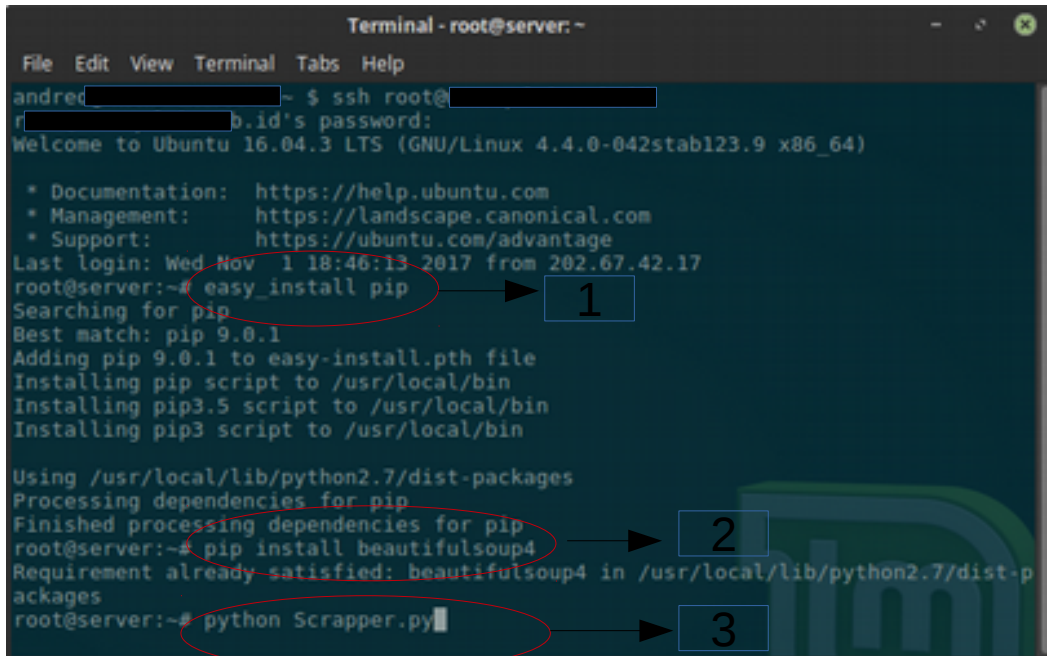


MANUAL

Requirement: python 2.7, pip, BeautifulSoup 4

1. install pip : easy_install pip
2. install library beautifulsoup4 : pip install beautifulsoup4
3. menjalankan program: python <nama_file_scrapper>.py

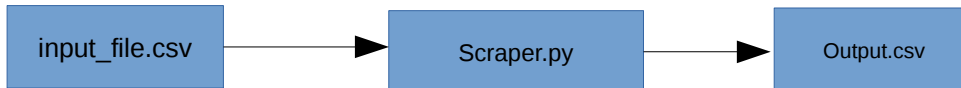


```
Terminal - root@server: ~
File Edit View Terminal Tabs Help
andred@~$ ssh root@
r.b.id's password:
Welcome to Ubuntu 16.04.3 LTS (GNU/Linux 4.4.0-042stab123.9 x86_64)

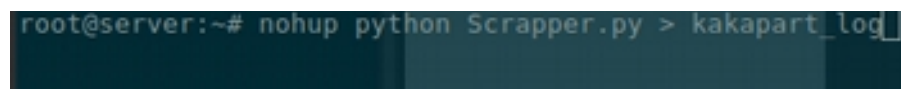
 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage
Last login: Wed Nov  1 18:46:13 2017 from 202.67.42.17
root@server:~# easy_install pip
Searching for pip
Best match: pip 9.0.1
Adding pip 9.0.1 to easy-install.pth file
Installing pip script to /usr/local/bin
Installing pip3.5 script to /usr/local/bin
Installing pip3 script to /usr/local/bin

Using /usr/local/lib/python2.7/dist-packages
Processing dependencies for pip
Finished processing dependencies for pip
root@server:~# pip install beautifulsoup4
Requirement already satisfied: beautifulsoup4 in /usr/local/lib/python2.7/dist-p
ackages
root@server:~# python Scrapper.py
```

The terminal screenshot shows the installation of pip and BeautifulSoup4, and running a script. The commands are circled in red, and the output is highlighted with blue boxes labeled 1, 2, and 3.



4. Untuk menjalankan di remote server dan aplikasi tetap berjalan saat terminal ssh ditutup dilakukan dengan perintah: nohup python Scrapper.py > kakapart_log



```
root@server:~# nohup python Scrapper.py > kakapart_log
```

The terminal screenshot shows the command to run the script in the background using nohup.

Tutup terminal, maka aplikasi akan tetap berjalan.

Untuk melihat progres, buka lagi terminal koneksikan ke server buka file kakapart_log

Begitu juga dengan ke empat web yang lain.